IN THE CLAIMS:

The present listing of claims replaces all prior versions, and listings of claims in the application.

Claim 1. (Currently Amended) A dispersion comprising: polyanions; and

cationic 3,4-polyalkylenedioxythiophenes; and

water or a water/alcohol mixture as a solvent comprising water and optionally alcohol,

wherein said dispersion has a weight ratio of cationic 3,4-polyalkylene-dioxythiophene to polyanion of from 1:8 to 1:25, said dispersion being prepared by high pressure homogenization under a pressure of 100 to 1000 bar, wherein about and 90% of the particles of the dispersion are being less than 50 40 nm,

and further wherein the resistivity of the <u>a</u> coating[[s]] produced therefrom from said dispersion has a resistivity of by building a dispersion film and removing the solvent from the dispersion film is at least 5000 Ωcm, wherein the weight ratio of cationic 3,4 polyalkyelene dioxythiophene to polyanion have a ration ranging from between about 1:8 and about 1:25 and which was treated by high pressure homogenization applying a pressure from 100 to 1000 bar

said coating being prepared by applying said dispersion to a glass substrate at a thickness of 200 nm, drying the applied dispersion at a temperature of 100°C to 300°C thereby forming said coating, vapor-depositing parallel gold metal strips each having a length of 20 mm and a width of 2 mm and being separated by 3 mm onto said coating by means of a mask, the resistivity being determined from resistance measured between said parallel gold metal strips, said resistance being measured in a vacuum and by means of a four-pole method.

Claim 2. (Cancelled)

Claim 3. (Cancelled)

Claim 4. (Currently Amended) The dispersion according to Claim 1, wherein the 3,4-polyalkylenedioxythiophenes are compounds of the represented by formula (I),

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wherein,

n is an integer from 3 to 100, preferably from 4 to 15, and

X is $-(CH_2)_x$ - $-CR^1R^2$ - $-(CH_2)_y$ -, where in

 R^1 and R^2 , independently of one another, are <u>selected from the group consisting of</u> H, an optionally substituted alkyl radical having from 1 to 20 carbon atoms, an aryl radical having from 6 to 14 carbon atoms, ef <u>and -CH₂-OR³</u>,

where<u>in</u> R³ is <u>selected from the group consisting of</u> H, alkyl or <u>and</u> -CH₂-CH₂-CH₂-SO₃H,

and

x and y are each, independently of one another, an integer from 0 to 9.

Claim 5. (Original) The dispersion according to Claim 1, wherein the dispersion is a 3,4-polyethylenedioxythiophene / polystyrene sulfonate dispersion.

Claims 6-8. (Cancelled)

Claim 9. (Currently Amended) [[A]] <u>The</u> dispersion according to Claim 4, wherein n is an integer from 4 to 15.

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